

Title (en)
Device for plasma generation

Title (de)
Vorrichtung zur Erzeugung von Plasma

Title (fr)
Dispositif pour la génération de plasma

Publication
EP 0961528 A3 20030813 (DE)

Application
EP 99105215 A 19990313

Priority
DE 19824077 A 19980529

Abstract (en)
[origin: EP0961528A2] The plasma generator has a rod-like conductor (4) disposed in an insulating pipe (5) which forms an antenna extending through a vacuum chamber (3), the conductor being connected to an electromagnetic source (8) through a vacuum chamber wall (6). A portion of the conductor which extends into the chamber is formed as a coil (2) whose winding length L is given by the expression $L=C/\cos(\alpha)$ at a wavelength of $\lambda_0=10 \text{ degrees } \alpha \text{ } 15 \text{ degrees}$, where α is the angle of the coils with respect the vertical.

IPC 1-7
H05H 1/46; **H01J 37/32**

IPC 8 full level
H01J 37/32 (2006.01); **H05H 1/46** (2006.01)

CPC (source: EP KR US)
H01J 37/32192 (2013.01 - EP US); **H01J 37/3222** (2013.01 - EP US); **H01J 37/32284** (2013.01 - EP US); **H05H 1/18** (2013.01 - KR);
H05H 1/46 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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EP 0961528 A2 19991201; **EP 0961528 A3 20030813**; **EP 0961528 B1 20100616**; DE 19824077 A1 19991202; DE 59915175 D1 20100729; JP 4414507 B2 20100210; JP H11354297 A 19991224; KR 100359380 B1 20021104; KR 19990088498 A 19991227; TW 432903 B 20010501; US 6191532 B1 20010220

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